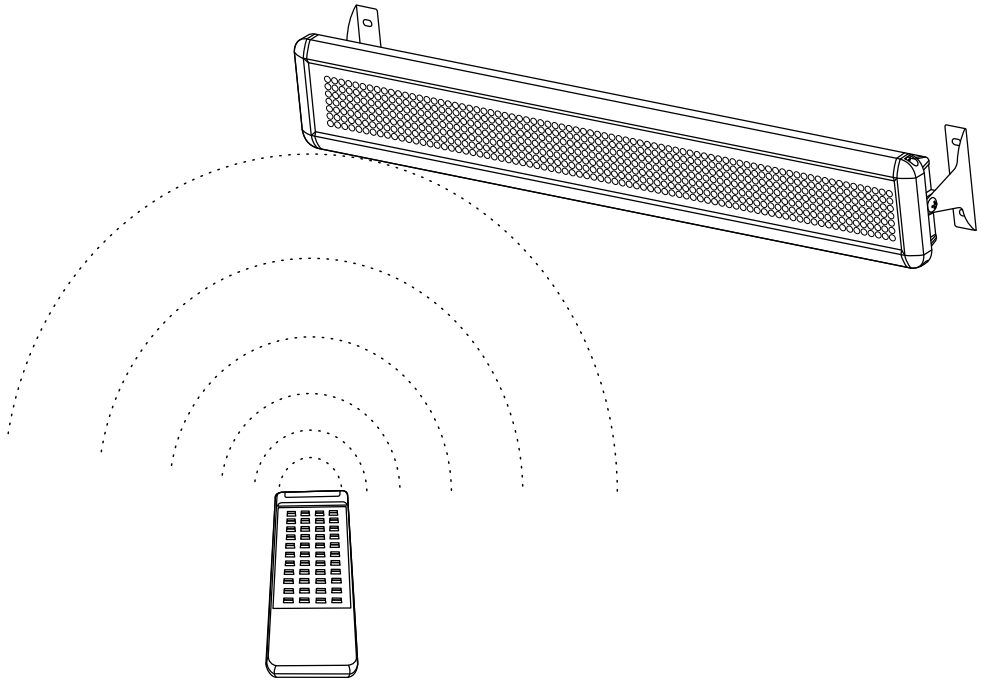
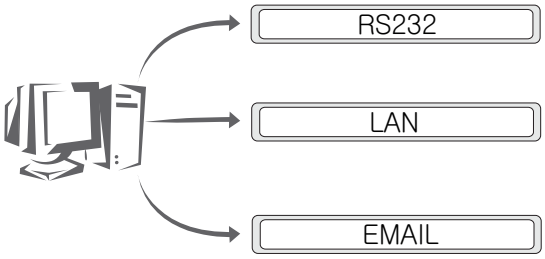




LED DISPLAY SYSTEM

USER'S MANUAL REV.2.0

(封面页)

(03127英文说明书)
材料：封面/封底：双铜纸(厚度：0.16mm).　　内心：书纸.双面印刷，共31页。
规格：148x210mm
编号：

TABLE OF CONTENTS

Key Features 1
Installation and set up. 2
Keyboard layout. 3
IR remote operation instruction diagram. 4

IR SECTION

Getting started. 5
Programming a simple message

Programming alternate characters. 6
Display letters, numbers, symbols,
European, Pre-leading messages,
Graphics page.

Attention getting features. 7-8
Selecting text colors, font sizes.

Advanced features. 8-10
Special effects schedule display
Display Date&Time, Running combined pages,
Resetting system, Setting ID address,
Setting brightness, Setting system clock.

SOFTWARE SECTION

System Requirements and Running the setup. 11–13

The Software Screen. 13

Set-Up. 13
Connecting the cable

The menu bar. 14-16
Menu Bar functions and features, European
char table.

Sending a message. 16
Sending a message to sign after Set-Up

The bmp graphic editor. 17-20
Editting and displaying graphics, Color
window, Edit button, Edit function,
Display zoom in or out, Color selection

LAN communication. 20-23
Setting up the RSC and TMC to send
messages via the LAN

TABLE OF CONTENTS

Internet e-mail communication. 23–24
Setting up the RTC and TMC to send
messages via the Internet.

QUICK REFERENCE SECTION 24

Color code table. 24
Font size table. 24
European table. 25
Special effects table. 25
Display effect, speed, time. 26
Help section. 27–28

The USB-RS232 Converter User Manual 29

PLEASE READ BEFORE STARTING

This manual contains three overall sections:

IR Remote Section
Programming your new sign using the included IR Remote Keyboard

Software Section
Programming your new sign using the included Software

Quick Reference Section
Corresponding Codes for IR Remote Keyboard

Help Section
Most commonly asked questions, troubleshooting, contacting technical support

The step-by-step process of explanation will help you accomplish a few examples before starting on your own.

ACCESSORIES SUPPLIED

Accessories, supplied with the product are:
USB cable incorporating a USB to UART bridge
RS232 cable
Power supply, output 12Vdc/2.5A or output 12Vac/2.5A
Software disc

KEY FEATURES

COLORS AND FONT SIZES

By combining colors (RED/BLACK for single color sign, RED/BLACK/YELLOW/GREEN for tri-color sign) and different font sizes, the LED display will allow you to advertise and capture your customers attention like never before.

VISUAL TEXT EFFECTS AND GRAPHICS

With such functions as cycling, scroll-up, scroll down, and overlap, advertising has never been so much fun! powerful graphics editor can create your own to make your messages stand out!

DEPENDABILITY AND DURABILITY

All of our signs are manufactured under strict quality controls for years of problem free operation. The aluminum casing minimizes interference and assures reliability wherever it is installed.

LARGE MEMORY AND MESSAGE STORAGE

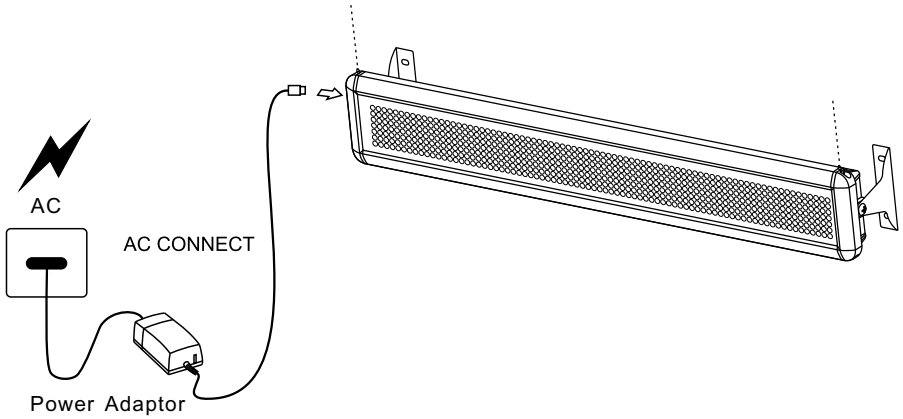
The led display system is equipped with 32K of memory with the capability to retain your programmed information for up to 30 days when not used.
* Internal back-up battery.

SCHEDULE DISPLAY FUNCTION

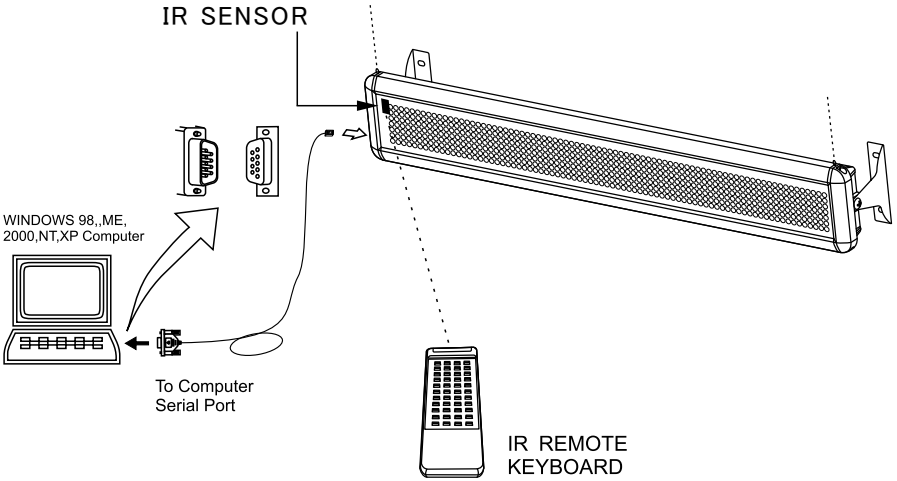
To display different message with different time/date. One touch easy operation press one key to display date and time or pre-loading message.

Led display system Software for use with Windows 98 and higher
Please see the Software Section, for all the features!

INSTALLATION AND SET UP



1. Mount the brackets onto the chosen wall location. Use the mounting screws included with the display to fasten the brackets onto the sign.
2. There are two wires from the power adapter. First connect the two-prong end to any AC wall outlet. Second, connect the single prong end to the display via the location on the end cap.
3. As soon as you connect the single prong end to the sign, the sign should automatically light up and start displaying the "demo" message that is a preprogrammed message showing all the features of the display. Note : If your sign does not turn "ON", please turn to the user manual Help Section on page 27.
4. Surge protectors are recommended if you are in an area where power outages are frequent.



KEYBOARD LAYOUT

INFRA-RED REMOTE KEYBOARD LAYOUT

ON/OFF TIME/DATE Q-PROG ESC
SHIFT EUROP-CHAR PROG FUNCT
COLOR FONT RUN-PAGE ENTER
A 1 ! B 2 ; C 3 : D $
E 4 ' F 5 ^ G 6 " H £
I 7 & J 8 \ K 9 % L ¥
M * ? N 0 [O #] P @
Q + R − S / T =
U (V) W < X >
Y . Z , SPACE DEL

Command Keys

Keys located in the yellow area

Character Keys

Keys outside the yellow area

- Upper Case Keys (26) A-Z
- Lower Case Keys (26) a-z
- Numeric (10) 0-9
- Symbols (29) !; ...
- European (60) Â

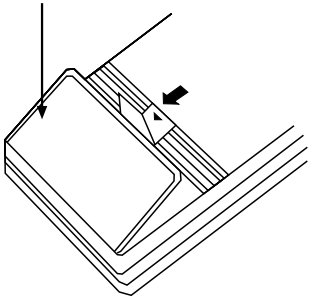
Please refer to page 7-8 for instructions on displaying European characters

NOTE:

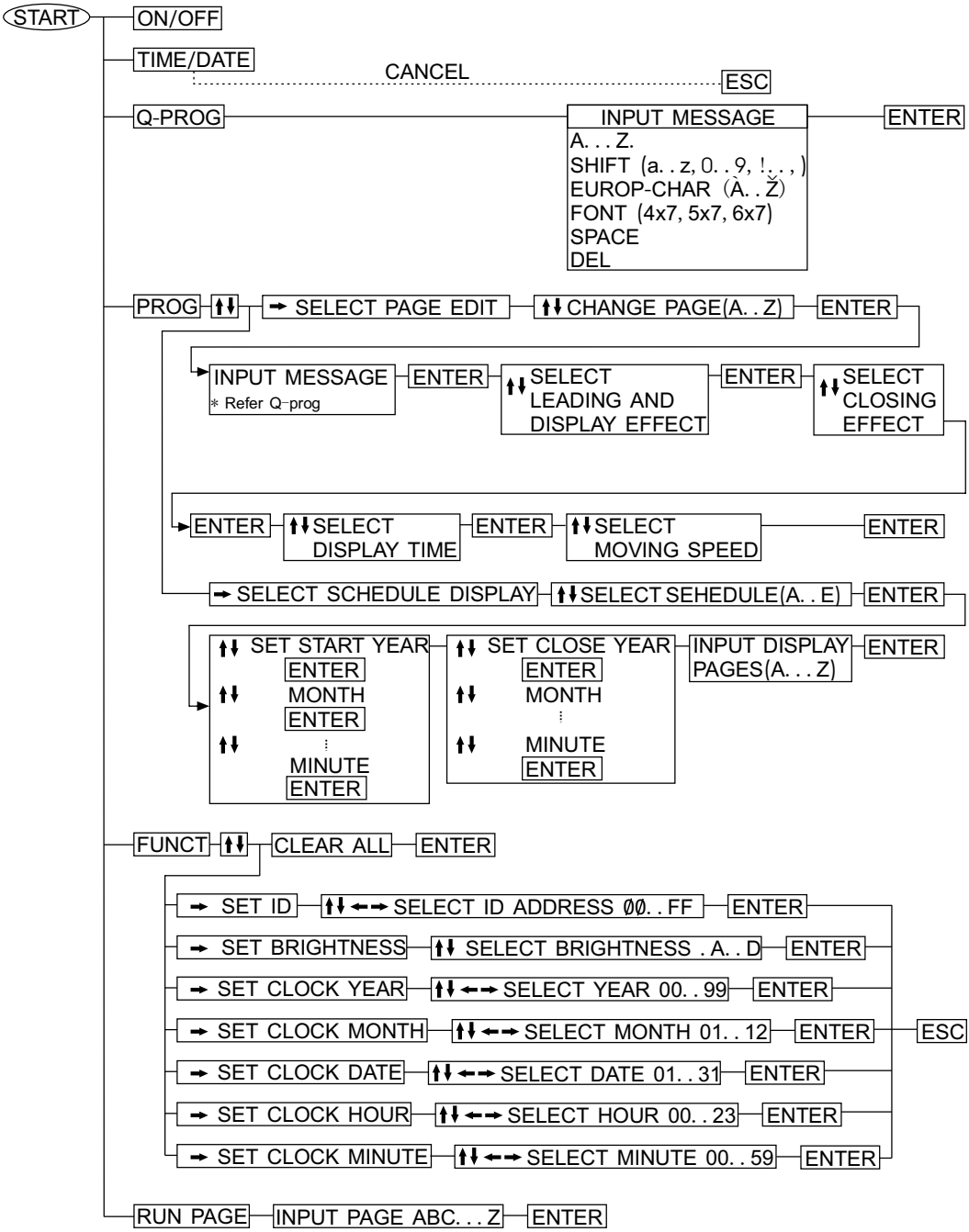
- IR keyboard must be pointed at the built-in infra-red sensor located on the top left hand corner of the sign.
- Optimum operating distance should be around 5' to 30'.
- DO NOT subject the remote keyboard to impact, water or excessive humidity.
- The remote keyboard operates on two R6 (UM/SUM-3, AA) or AAA 1.5-volt batteries. Batteries not included.

Inserting Batteries

Battery Cover



IR REMOTE OPERATION INSTRUCTION DIAGRAM



** For 2 line display only.

IR SECTION
GETTING STARTED BY REMOTE CONTROL

PRESS [ON/OFF]
The sign will display on and off

PRESS [TIME/DATE]---[ESC] **(**OFF**)**
To display the time and date message only, press **ESC** to cancel time/date display function.

Programming a simple message with [Q-PROG]
Let's practice how to program a simple message by following the steps below. Make sure your sign is currently running a message.

	Press	Display	Description
1.	[Q-PROG]		Stop the sign and wait for message input
2.	[H][E][L][L][O][SPACE]	HELLO	Key-in "HELLO" using the character keys

TIP: If you key-in a wrong character, press [DEL] to delete the last character entered.

3.	[ENTRE]	HELLO HELLO	Runs the message you programmed

PROGRAMMING ALTERNATE CHARACTERS

Display lower-case Letters, numbers, and symbols using the

[SHIFT] key.

Please take notice of the INDICATION BLOCK, which appears on the left hand corner of the sign whenever the [SHIFT] key is pressed in the following steps.

1. Press [Q-PROG] to stop the sign. and program a message
2. Press [A] to display the letter" A".
3. Press the [SHIFT] key once. Now press any one of the letter character keys on the IR Remote. character keys active (lower-case mode).
4. Press [SHIFT] again. Now press any one of the white number character keys on the IR Remote. white character keys active (numerical mode).
5. Press the [SHIFT] key again. Now press any one of the green symbols character keys on the IR Remote. green character keys active (symbols mode).
6. Press [SHIFT] again to return you to the upper-case mode. Press any letter key to verify that you are back in the upper-case mode.

NOTE: Upper-Case mode is the default selection when beginning to program. Once you press the **SHIFT** key, you are no longer in the upper-case mode. Follow steps 3 - 6 to toggle between modes.

7. Press **ENTER** to run your message.

Displaying European characters using the EUROP-CHAR key.

1. Press **Q-PROG** to stop the sign. and program a message.
2. Press **A** to display the letter "A".
3. Now press the **EUROP-CHAR** key. As you will notice, the letter "A" has now changed its shape to the European letter. Continue to press the **EUROP-CHAR** key until you reach the European style "A" of your choice.

TIP: To revert back to the normal character, continue to press **EUROP-CHAR** Also, you can press any letter at any time to continue to type normal characters.

4. Following previous steps 2 and 3, try to display the European character for the letter "U".
5. Press **ENTER** to run your message.

PROGRAMMING ALTERNATE CHARACTERS

Displaying European characters in lower-case using the and SHIFT EUROP-CHAR key.

1. Press **Q-PROG** to stop the sign. Press and program a message.
2. Press the **SHIFT** key once to go into the lower-case mode. Remember, the **SHIFT** key toggles you from 4 different modes. Upper case, lower-case, numerical, and symbols mode.
3. Now press **C** to display the letter" C "in lower-case.
4. Now press the **EUROP-CHAR** key. As you will notice, the letter" c "has now changed its shape to the European.
5. While staying in the lower-case mode, try to display the European character for the letter "o".
6. Press **ENTER** to run your message.

NOTE: There are 60 European characters that you can choose from. Please refer to the Quick Reference Guide for the European Characters Table and corresponding letters.

ATTENTION GETTING FEATURES

Displaying pre-loading message or graphics page.

Let's say you had pre-loaded a message to page e and you wanted to display

	Press	Display	Description
1.	RUN-PAGE	STOP MODE	Stops the sign and wait page data
2.	E	(PG: E)	Display PAGE E
3.	ENTER		Runs your message

NOTE : There are 26 pages can pre-loading message that you can select to display from A To Z.

Link display pre-loading message

	Press	Display	Description
1.	RUN-PAGE	STOP MODE	STOP AND WAIT PAGE DATA
2.	A B E	(PG:A,B,E)	DISPLAY PAGE A,B,E
3.	ENTER		RUNS YOUR MESSAGE.

ATTENTION GETTING FEATURES

Using the COLOR key to select a text color.

1. Press Q-PROG to stop the sign and program a message.
2. Press S U to display the letter.
3. Press the COLOR key. as you will notice "SU" have now changed to different color.
4. Now press COLOR key again to view the different text colors. Once you see the color you wish to use, Your color has now been selected. The color you select will stay active until another color is chosen.
5. Key in the word "SUCCESS" .
6. Press ENTER to run your message.

NOTE: Please refer to the quick reference section for the color table.

Using the FONT key to select font sizes.

1. Press Q-PROG to stop the sign and program a message.
2. Press A B to display the letter.
3. Press the FONT key, as you will notice "AB" have now changed to different font.
4. Now press the FONT key again to view the different font sizes.
   Once you see the font size you which to use. Your font size has now been selected.
   The font you select will stay active until another font is chosen.

5. Key in the word "ABLE".
6. Press **ENTER** to run your message.

NOTE : There are many font sizes that you can select from. Please refer to the Quick Reference Section, for the Font Size Table.

ADVANCED FEATURES

Adding special effects to your message using the PROG key.

Now the real fun begins! Let's program a message using the effect

1. Press **PROG** to program a message.
2. Press ↓ select page edit function.
3. Press → to select PAGE A.(Total 26 page can be selected from A..Z)
4. Press ↑ ↓ to program PAGE A. The sign will read: (PAG: A)
5. Press the **ENTER** to edit PAGE A
6. Key-in the word "COOL".
7. Press the **ENTER** The Sign will wait for effect input.
8. Now press the ↑ ↓ keys to scroll through the various leading and display effect.
9. Press **ENTER** when you confirm the effect selection.
10. Press ↑ ↓ keys to scroll through the closing effect.
11. Press **ENTER** when you confirm the effect selection.
12. Press ↑ ↓ keys to select the display time.
13. Press **ENTER** to confirm the display time.
14. press ↑ ↓ keys to select leading and closing effect moving speed from "0..3".
15. Press **ENTER** when you confirm.

NOTE : There are many effects that you can select from. Please refer to quick Reference Guide for the Effects Table and corresponding letters.

Adding schedule display using the PROG key

1. Press **PROG** to stop the display.
2. Press ↓ ↓ to program schedule display.
3. Press → to enter the schedule selection.
4. Press ↑ ↓ to select schedule, max 5 schedule can be set up from A to E.
5. Press **ENTER** to confirm schedule selection.
6. Press → ← to select starting year field.
7. Press ↑ ↓ to edit the year.
8. Press **ENTER** to confirm year input and go to start, month input.
9. Press → ← to select starting month field.
10. Press ↑ ↓ to edit the month.
11. Press **ENTER** to confirm month input and goto start date input.
12. Press → ← to select starting date field.

13. Press [↑] [↓] to edit the date.
14. Press [ENTER] to confirm date input and goto start hour input.
15. Press [→] [←] to select starting hour field.
16. Press [↑] [↓] to edit the hour.
17. Press [ENTER] to confirm hour input and goto start minute input.
18. Press [→] [←] to select starting minute field.
19. Press [↑] [↓] to edit the minute.
20. Press [ENTER] to confirm minute input and goto closing year input.
21. Repeat step 6 to 20 to complete the closing timer set up and you will see "*".
22. Press characters key A,B,C...Z to input display page for the schedule.
    * Press [DEL] if input is wrong.
23. Press [ENTER] to confirm the schedule set up.
    * There are max 5 display schedule from A to E can be set. Please repeat step 1 to 23 to complete the next schedule setting.
    * If you want to cancel the schedule display, please refer "resetting system using the [FUNCT] key " procedure.

ADVANCED FEATURES

Displaying the time and date using the [TIME/DATE] key.

1. Press the [TIME/DATE] key to ENTER the date/time display mode, date & time will display alternatively for 3 second.

Cancel display the time and date using the [ESC] key.

1.Press [ESC] and wait 3 sec.
the display will back to normal message display.

Running combined Pages using the [RUN PAGE] key.

This feature allows you to link up to 26 pages together as one long message. Remember to have your messages programmed before setting this feature.

1. Press [RUN PAGE] to stop the sign.
2. Press the [A to Z] key. to select the 'select run' pages, press ENTER to confirm
3. Key in the pages [A] [B] [C] to run the page link A and B and C.
4. Key in [ENTER] to run message.

Resetting system using the [FUNCT] key

* Any time you can press [ESC] to skip the set up process.

1. Press [FUNCT] to enter the set up function
2. Press [↓] key select "clear all Y?"
3. Press [ENTER] key.

Setting id address using the FUNCT key

1. Press FUNCT to enter set up function
2. Press ↓ ↓ key to select "ADD00"
3. Press → ← to select the address field
4. Press ↑ ↓ to edit the address from 00 to ZZ
5. Press ENTER to confirm address set up.
6. Press ESC to return to normal display

*Address ID set up only for more than one display sign connect with one data cable. That the data can be separated send to the display from PC with ID address.

Setting brightness using the FUNCT key

1. Press FUNCT to enter set up function
2. Press ↓ ↓ ↓ to brightness set up function
3. Press → to select brightness field.
4. Press ↑ ↓ to edit brightness level from high to low "A..D".
5. Press ENTER to confirm brightness set up.
6. Press ESC to return to normal display

ADVANCED FEATURES

Setting system clock using the FUNCT key.

1. Press FUNCT to enter set up function
2. Press ↓ ↓ ↓ ↓ to set up year data
3. Press → ← to select the year field.
4. Press ↑ ↓ to edit the year data.
5. Press ENTER to confirm year setting.
6. Press ↓ to set up month data.
7. Press → ← to select the month field.
8. Press ↑ ↓ to edit the month data.
9. Press ENTER to confirm month setting.
10. Press ↓ to set up date data.
11. Press → ← to select the date field.
12. Press ↑ ↓ to edit the date data.
13. Press ENTER to confirm date setting.
14. Press ↓ to set up hour data.
15. Press → ← to select the hour field.
16. Press ↑ ↓ to edit the hour setting.
17. Press ENTER to confirm hour setting.
18. Press ↓ to setup minute data.
19. Press → ← to select the minute field.
20. Press ↑ ↓ to edit the minute data.
21. Press ENTER to confirm minute setting.
22. Press ESC back to normal message display.

SOFTWARE SECTION

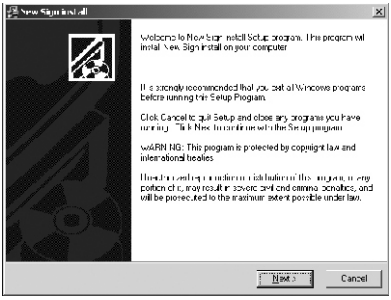
PC system required

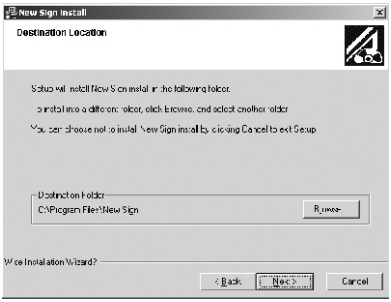
Operating System: Win98/Win me/Win NT/ Win 2000/Win XP
CPU: Intel Pentium 166 or above
RAM: 32M or above
Monitor: VGA or higher
Serial Output: RS232 port

Software installation instructions

Insert the LED Display System disk into your CD-ROM drive. That will auto-run and the first screen comes up. Click INSTALL to go installation. Choose READ ME to show you the required system. EXIT will quit the installation.

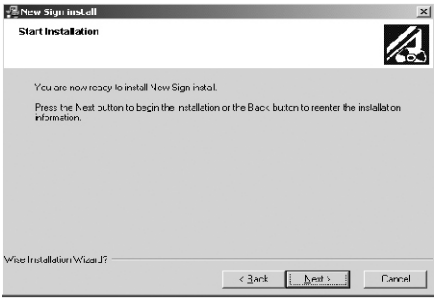
Click INSTALL to go ahead the installation and continue the Choose Next to continue, Click
BROWSE to select the directory to install the program. The system preset is C:\Program Files\New sign.

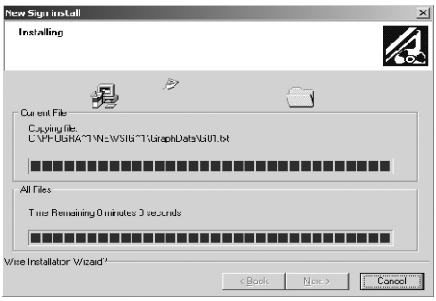




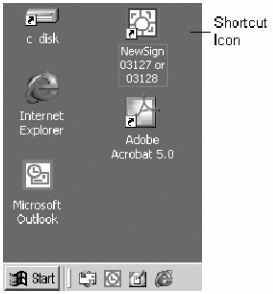
Click NEXT to keep on installation

Choose NEXT to run the file installation to copy the file to your PC hard disk. Choose CANCEL to quit installation program or BACK to change the directory setting.

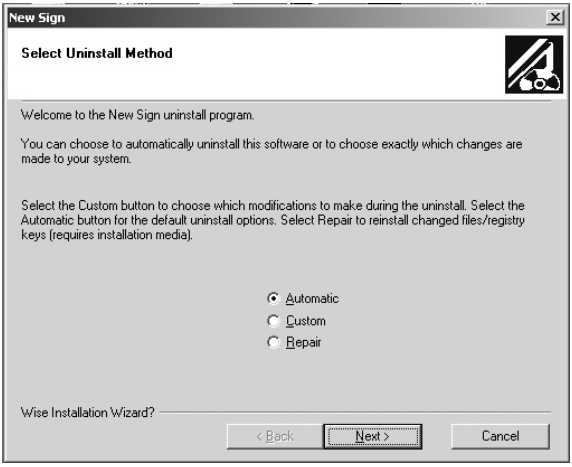

New Sign install
Start Installation
You are now ready to install New Sign install.
Press the Next button to begin the installation or the Back button to reenter the installation information.
Wise Installation Wizard?
< Back
Next >
Cancel



After copying the file is complete, click on Finish. Finish the installation, and shortcut icon for quick start will be on the desktop screen. And simultaneously create DIRECTORY in your PC program group.

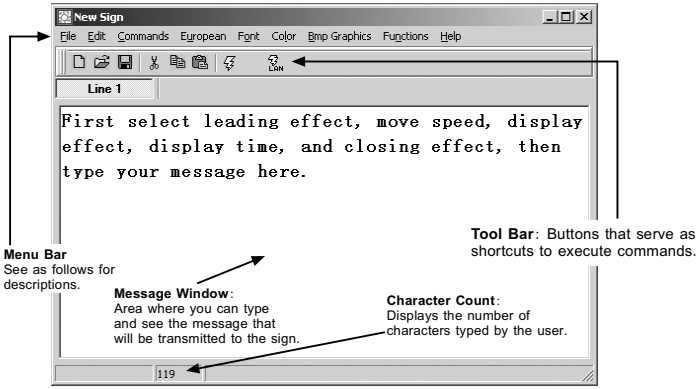


If you want to uninstall the system, just double-click the unwise.exe at the Program Group\ New Sign.


New Sign
Select Uninstall Method
Welcome to the New Sign uninstall program.
You can choose to automatically uninstall this software or to choose exactly which changes are made to your system.
Select the Custom button to choose which modifications to make during the uninstall. Select the Automatic button for the default uninstall options. Select Repair to reinstall changed files/registry keys (requires installation media).
Automatic
Custom
Repair
Wise Installation Wizard?
< Back
Next >
Cancel

Select Automatic and click NEXT. The program will automatically uninstall.

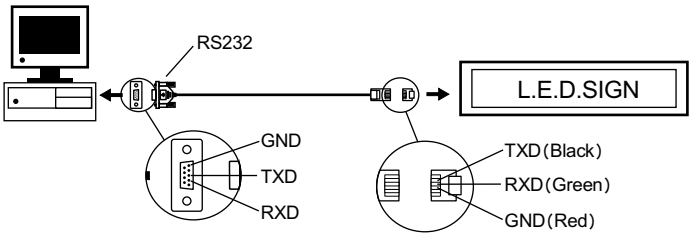
SOFTWARE SCREEN


New Sign
File Edit Commands European Font Color Bmp Graphics Functions Help
Line 1
First select leading effect, move speed, display effect, display time, and closing effect, then type your message here.
119
Menu Bar
See as follows for descriptions.
Message Window:
Area where you can type and see the message that will be transmitted to the sign.
Character Count:
Displays the number of characters typed by the user.
Tool Bar: Buttons that serve as shortcuts to execute commands.

SET-UP

Connecting the cable

1. Connect the Phone Clip end of the Phone Type Cable to the sign.
2. On the back of your computer, identify a COM PORT. If you have trouble locating a COM PORT on your computer, please reference your computer user manual or contact the manufacturer of your computer.
3. Connect the 9-Pin connector end to the COM PORT you will be using. If the 9-pin connector is not connected to the correct COM PORT, computer communication to your sign will not work.



RS232	PHONE JACK
PIN2	RXD(Green)
PIN3	TXD(Black)
PIN5	GND(Red)

Toolbar

- Opens a new Message Window.
- Opens an existing File.
- Saves the current message in the Message Window.
- Cut the highlighted selection and put it on the clipboard.
- Copy the highlighted selection and put it on the clipboard.
- Paste the contents of the clipboard.
- Sends the message in the Message Window to the sign.
- Sends the message through LAN.

THE MENU BAR

File

New	: opens a new window.
Open	: opens an existing file.
Save	: saves the file currently open.
Set Comm	: allows you to set the communication settings.
Exit	: exit the software program.

Edit

Cut	: Cut the highlighted selection and put it on the clipboard.
Copy	: Copy the highlighted selection and put it on the clipboard.
Paste	: Paste the contents of the clipboard onto the active document.
Delete	: Use this command to remove selected content from the Message Window.

Commands

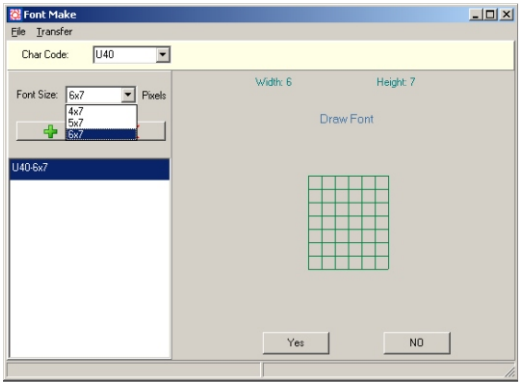
Leading	: How the text will appear .
Speed	: Control the leading and closing moving speed
Display effect	: How the text will display.
Display time	: How long the message display.
Closing	: How the text will disappear .
Special	: Insert the TIME, DATE, a "BEEP".

European

Default European characters table for select.

€ U00	↑ U01	↓ U02	⌉ U03	⌉ U04	⌟ U05	⌟ U06	⌞ U07	⊥ U08	⊦ U09
⊤ U0A	─ U0B	┼ U0C	┘ U0D	⌜ U0E	■ U0F	■ U10	▌ U11	▌ U12	▀ U13
α U14	β U15	Γ U16	π U17	Σ U18	σ U19	μ U1A	τ U1B	Φ U1C	≈ U1D
Ω U1E	δ U1F	∞ U20	∧ U21	∅ U22	£ U23	∂ U24	¥ U25	→ U26	← U27
¿ U28	© U29	ª U2A	≥ U2B	€ U2C	∩ U2D	® U2E	™ U2F	š U30	± U31
² U32	³ U33	ž U34	Ÿ U35	¶ U36	œ U37	Š U38	¹ U39	º U3A	≤ U3B
¼ U3C	½ U3D	¤ U3E	¿ U3F	À U40	Á U41	Â U42	Ã U43	Ä U44	Å U45
Æ U46	Ç U47	È U48	É U49	Ê U4A	Ë U4B	Ì U4C	Í U4D	Î U4E	Ï U4F
Ð U50	Ñ U51	Ò U52	Ó U53	Ô U54	Õ U55	Ö U56	Ž U57	Ø U58	Ù U59
Ú U5A	Û U5B	Ü U5C	Ý U5D	Þ U5E	ß U5F	à U60	á U61	â U62	ã U63
ä U64	å U65	æ U66	ç U67	è U68	é U69	ê U6A	ë U6B	ì U6C	í U6D
î U6E	ï U6F	ð U70	ñ U71	ò U72	ó U73	ô U74	õ U75	ö U76	U77
ø U78	ù U79	ú U7A	û U7B	ü U7C	ý U7D	þ U7E	ÿ U7F		

USER FONT MAKE



Select the char code where the character you will change, and then select font size. Click + to add the item in the list box. Then select this item to draw the font. Repeat the process for the same character with different font size, example: U40-4x7,U40-5x7,U40-6x7.

Click **Transfer|Transfer to Sign** to update the user font of the sign.

Click **File | Save Font** on this window to save a file.

RECALL DEFAULT FONT

Use for recall the above default European characters font to the Sign and software.

THE MENU BAR

Font

Select any one of font styles to be used in your message.

Colors Select any one of listed colors to use for your text.

Bmp Graphics

Edit Graphic... : Edit and save your own graphic images, and then insert into the message window refer graphic edit section

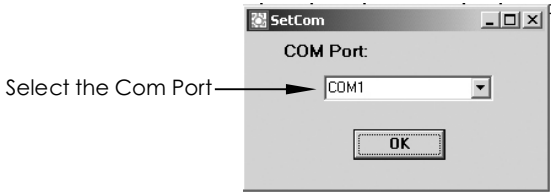
Function

Send Message : Send the current text in the Message Window to the LED Display Board. Before transferring, you should Select ID of Display Board(ID which you may set by "Set ID..." function). Simultaneously, Set which page you transfer to. There are 26 pages in all.

Run Page	: Run a specified page on the LED Display Board.
Link pages To Run	: Link some pages in order to Run more than one Page. For example, type in 'abc', the sign will display page A, page B, page C content consecutively.
Set ID	: Set ID of the Led Display Board . Note: ID00 represents global call. If yon hare more than one sign, you might want to connect all the signs in a network, e.g. from ID01to ID05 you can send message to any sign in the network by individual ID. To broadcast to all the signs, use ID 00.
Set Clock	: Set the Date and Time the Display Board system Clock.
Delete Page	: Delete a specified page information on the sign.
Set Brightness	: Set Display brightness, there are 4 levels of brightness.
Display by Schedule	: Schedule a message to be displayed. you may make some pages display from sometime to another time. max can set up to 5 Schedule items one time.
Delete page	:Delete some pages in the running messages.
Delete Schedule	:Delete some items in Schedule table.
Delete All	:Delete all messages in the LED Display Board. (Except system clock)

CONFIGURE SOFTWARE

1. Go to File and Set Communication

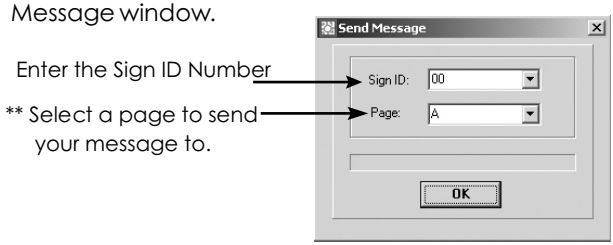


2. Click on OK when your settings are complete.

SENDING A MESSAGE

The Send Message icon is used to transmit the message to the sign.

1. In the Message Window, type in a test message such as 'Welcome to my message".
2. Click on the icon on the Toolbar to bring up the Message window.

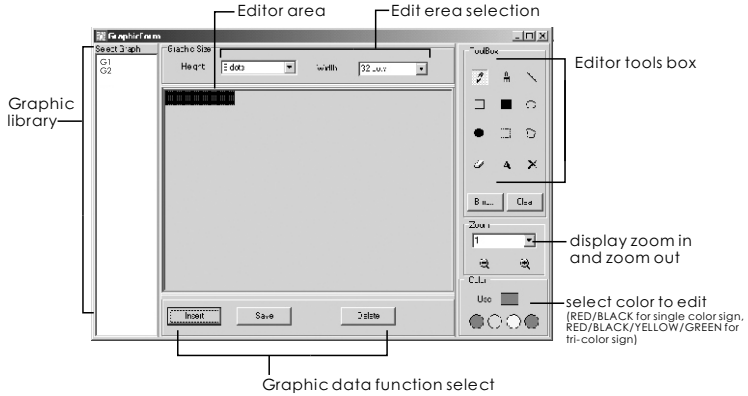


** You have pages A-Z available. Each page can be used to store a different message.

3. Click on OK to send your message to the sign. If your sign did not receive your message, try sending the message again.

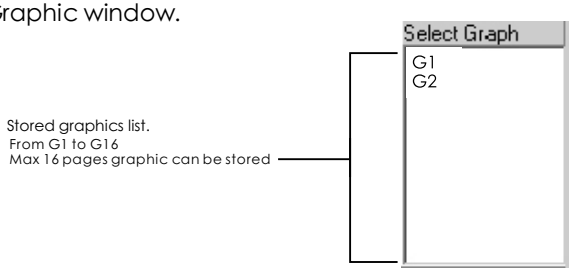
BMP GRAPHIC EDITOR

Use the Graphic Editor to edit or create graphics of your own. To open the Edit Graphic window, click on bmp Graphics on the menu bar, then click on Edit Graphics



Select Graphic window

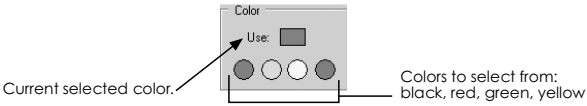
Click on any one of the graphics from the Select Graphic list to view the graphic in the Graphic window.



BMP GRAPHIC EDITOR

Color window

Select any one color (RED/BLACK for single color sign, RED/BLACK/YELLOW/GREEN for tri-color sign) to edit an existing graphic or to create a graphic.



Edit graphic buttons

Functions of buttons are described below.

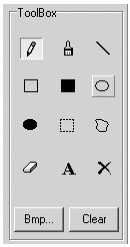
SAVE the current graphic displayed in the "Graphic" window.
Graphic will be saved in the "Library".

DELETE a graphic from the "Library".

INSERT the current graphic in the "Graphic" window into your message.

Edit function

Editor tools box



Pen tool: Click this tool, and move the mouse to Editor Area. Press and hold down the left button of your mouse, and move your mouse to free hand draw.

Brush tool: Click this tool, and move the mouse to Editor Area. Press and hold down the left button of your mouse and move your mouse to get brushing function.

Line tool: Click this tool. Move your cursor to select the starting point of the line. Then hold down the left button of your mouse, moving your mouse to the end point of the line. Then release mouse button.

Outline rectangle tool: Click this tool. To select the starting point by moving your cursor and hold down the left botton of your mouse. Then move at the end and release mouse button.

Rectangle tool: Same operation step as outline rectangle tool.

Outline ellipse tool: Same operation step as outline rectangle tool.

Ellipse tool: Same operation step as outline rectangle tool.

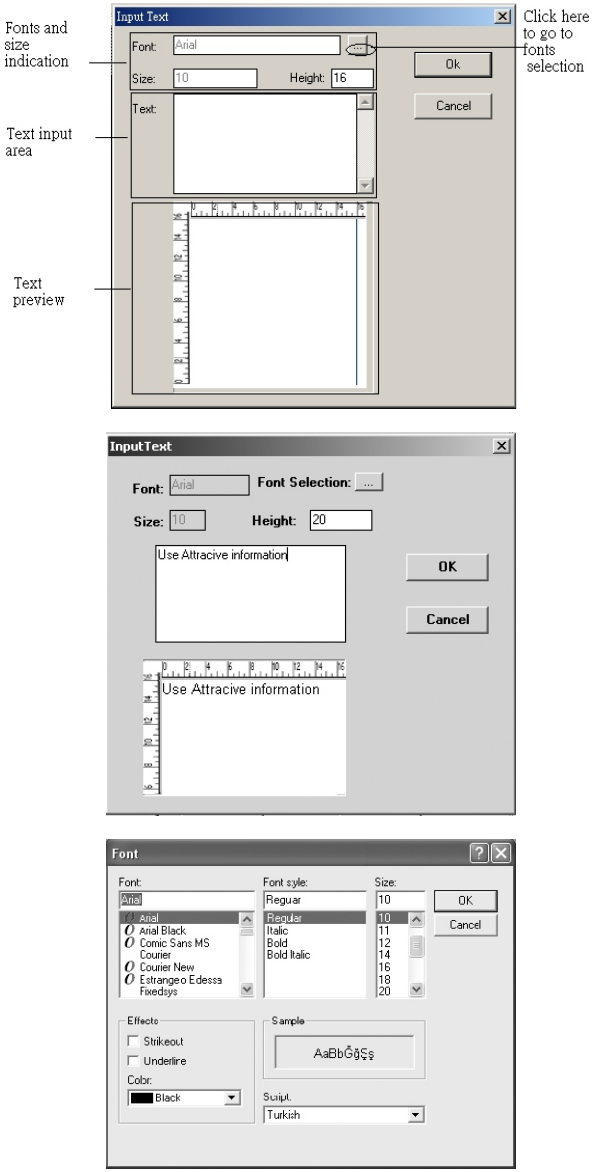
Pointer tool: Click this tool. Select the edit area by press and hold down the left button of your mouse. Then the select area be round by release your mouse button. Moving the round area by hold down the left button of your mouse until the position you want. Then release the mouse button. Right click to fix the position.

Polygon pointer tool: Same operation step as pointer tool.

Erase tool: Click this tool. Just press and hold down the left button of your mouse and move your mouse to erase the area you want.

Clear tool: Click this tool and select the color. Then moving cursor to edit area left click your mouse. That the whole edit area will turn to that color. If you select black color, the whole edit area will be covered by black in color. Same as clear function.

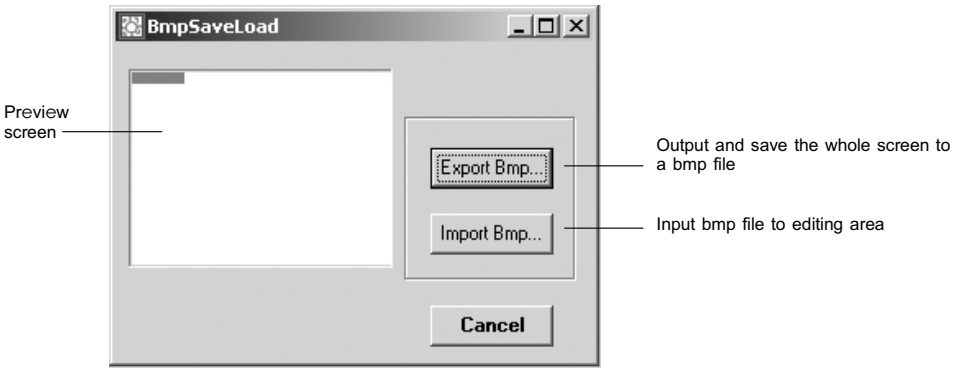
Text tool: Click this tool. Move cursor to the starting point you want to put the text. Left click your mouse and text input will bring up. That you can type in your words or use windows cut and Paste function to input text. Then select the fonts and fonts size. Click OK Button to finish the text input. Then move the object to the position you want and right click your mouse to fix it.



After clicking the Ok button in dialog box, move the rectangle area to proper position and right click the mouse to fix the information position.

Clear **Clear function key**: Left click this button to clear the whole edit area.

Bmp File **Bmp file function key**: Left click this button That can easily export the editing content to Bmp file, or import Bmp file edited by other program.

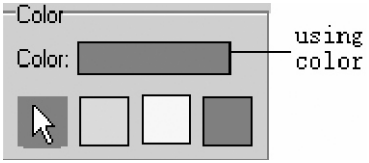


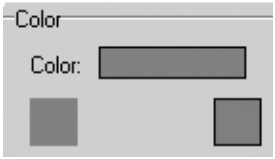
Display zoom in, zoom out function

The zoom size can be selected from 1 to 8. 1 is the smallest. You can zoom in or zoom out to affect you edit job as

Color selection function

Just easily to left click the color button to select the color you want. If you edit a triple color frame, then you have four color boxes to select as. If you edit a single color frame, then you can select either red or black color box as

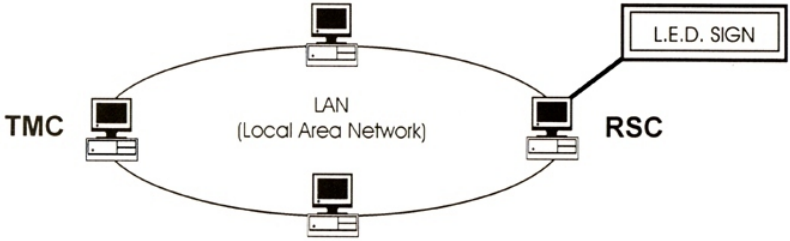




LAN COMMUNICATION

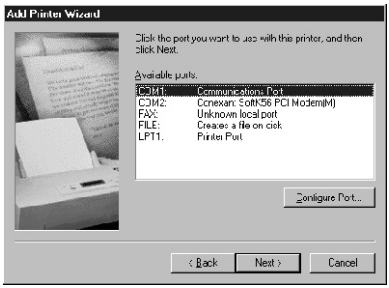
How it works

The display is first connected to the Serial Communication Port of a computer in the LAN environment which we refer to as the **R**eceiving **S**lave **C**omputer (**RSC**) The computer that will actually be transmitting messages to the display is referred to as the **T**ransmitting **M**aster **C**omputer (**TMC**)The **TMC** will have the display control software installed. It is not necessary to install the software on the **RSC**. The next step is to set-up a Generic/ Text Only printer driver on the **RSC** and share it with the **TMC**. Once the set-up is done and a message created, a simple click on the button for "Send via Network" will bring up the "PRINT" dialog window. You then select the Generic/Text Only printer created and click on "OK" and your message is on its way.



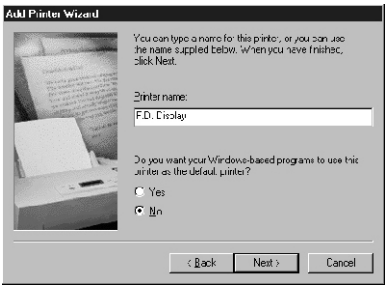
RSC Printer Driver Set -Up

1. Begin by clicking on " **Start** ", "**Settings**", and "**Printer**". The "**Printers**" dialog window will appear.
2. Double-click on the "**Add Printer**" icon. The "**Add Printer Wizard**" window will appear.
3. Click on "**Next** ". Select "**Local printer**" and click on "**Next**" again.
4. Under " **Manufacturers** ", search for " Generic ". Select " Generic ON "Next". If prompted: "A driver is already installed for this printer", then select to "Keep existing driver" and click on "Next".
5. Select the Communications Port on the RSC the display will be connected to and click on "**Next**". For Example: If the display is connected to COM1, select "**COM**".

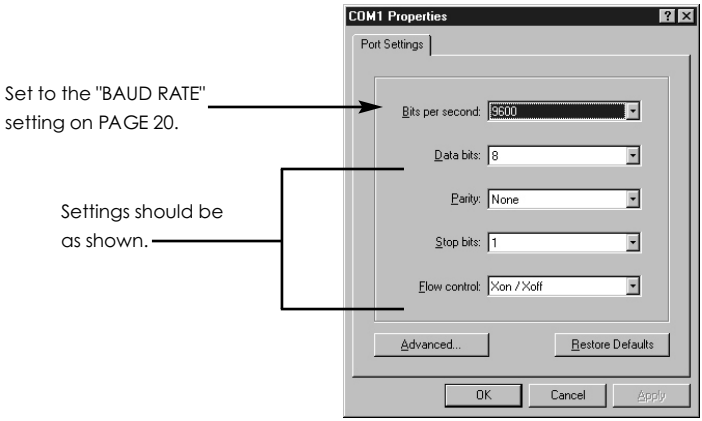

Add Printer Wizard
Click the port you want to use with this printer, and then click Next.
Available ports:
COM1: Communications Port
COM2: Conexant SoftK56 PCI Modem(M)
FAX: Unknown local port
FILE: Creates a file on disk
LPT1: Printer Port
Configure Port...
< Back
Next >
Cancel

LAN COMMUNICATION

6. Under "**Printer name**", type in the name you want for the Display Printer Driver. This name must be 12 characters in length. In the example below we used the initials " **F.D.** " to represent " **Front Desk**". Select "**No** " to select the printer as the default printer and click on "**Next**".


Add Printer Wizard
You can type a name for this printer, or you can use the name supplied below. When you have finished, click Next.
Printer name:
F.D. Display
Do you want your Windows-based programs to use this printer as the default printer?
Yes
No
< Back
Next >
Cancel

7. Click on "**Finish**" to complete the set-up. If prompted for the Windows 95 CD or disk, insert CD or disk into the proper drive and click "**OK".**
8. Now select the printer you created. Go to "**File**" and click on "**Properties**".
9. Click on the "**Details**" tab then click on "**Port Settings** ".
10. Make sure the settings below are set accordingly. Click on "OK" when done.

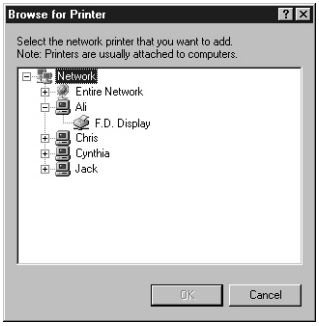


11. Click on the "**Sharing**" tab and click on "**Shared As**". In the "Share Name" box, type in the 12 character "**Printer name**" you used in step 6. If you want to "password protect" the use of the Display Printer Driver, type in a password in the "**Password**" box. Only the user with the password can access the "**Printer Driver** " to send a message to the display.
12. **RSC Printer Driver set -up complete**

LAN COMMUNICATION

TMC Printer Driver Set-Up

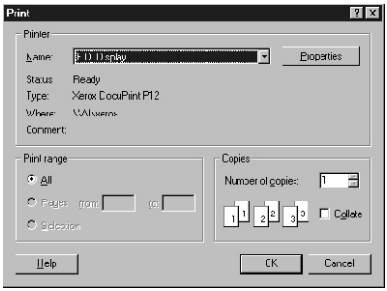
1. Click on "**Start**", "**Settings** ", and " **Printer** ". The "**Printers** " dialog window will appear.
2. Double-click on the "**Add Printer**" icon. The "**Add Printer Wizard**" window will appear.
3. Click on " **Next** ". Select "**Network printer**" and click on "**Next** " again.
4. Select " **No** " to print from "**MS-DOS-based programs**". Click on " **Browse".**
5. Double-click on the name of the **RSC** on the network and select the Display Printer Driver created.



6. Click on "**OK**". Now click on "**Next**".
7. Under "**Printer name**", type in the 12 character "**Printer name**" used in Step 6 of the **RSC** Printer driver set-up.
8. Select "**No**" to select the printer as the default printer and click on "**Next**".
9. Click on "**Finish**" to complete the set-up. If prompted for the Windows 95 CD or disk, insert CD or disk into the proper drive and click "OK".
10. **TMC Printer Driver set -up complete**

SENDING A MESSAGE through the LAN

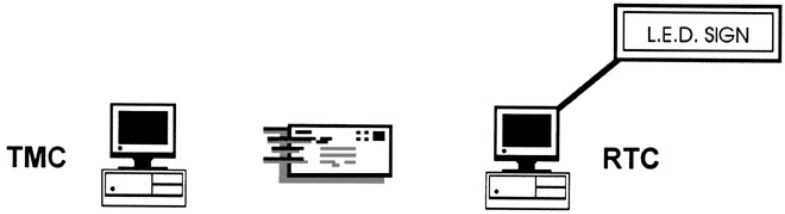
1. Start the TruColorII Software program. Create your message.
2. Click on " "for "**Send via Network**". Input the "**Sign ID Number**" and " **Page Number**", Now click on "**OK".**
3. Select the Display Printer Driver from the Printer Name box and click on "**OK**". Message sent successfully!



INTERNET E-MAIL COMMUNICATION

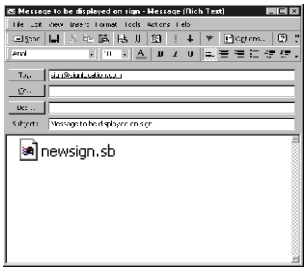
How it works

The display is first connected to the serial Communication Port of the computer at the remote location which we refer to as the **R**eceive Transmit **C**omputer (**RTC**). The computer that will be transmitting the e-mail is referred to as the Transmitting Master **C**omputer(**TMC**). Both the **TMC** and **RTC** will have the display control software installed. The user at the **TMC** will create a message using the provided software and save it. Once the message is saved, the user can start the software program used to send e-mail(such as Microsoft Exchange, outlook, Eudora Pro, Netscape Mail etc) and attach the saved message file to the e-mail message and send it. The recipient at the **RTC** is then notified that new mail has arrived. The user can then open at attachment and send the message to the sign.



- Begin by installing the software program on the **TMC** and **RTC**.
- Configure the sign and software on the RTC.
- **TMC** instructions
  1. Start the software program on the TMC and create a message, Now save it and exit the program.

2. Start the software program used to send e-mail and select to send a new message.
3. Type in the "TO" address.
4. Now click on the icon that will allow you to attach a file. Select the file you want to be displayed in the sign.
5. your e-mail message should look similar to the following:



6. Now send the e-mail message.

- **RTC** instructions
  1. The recipient at the **RTC** should automatically be notified when new mail has arrived.
  2. The recipient should open the message and see that the attached file is for the sign.
  3. The recipient should run the newsign software and then open the message file.
  4. Now just click on the icon on the toolbar to send the message to the sign. Your message is now being displayed.

ⓘ QUICK REFERENCE SECTION

Color Code Table

OPTIONAL:
(A & D) for single color sign
(A to J) for tri color sign

To select a COLOR, press **COLOR** once,

Letter	Foreground Color	Background Color
A	RED	BLACK
B	GREEN	BLACK
C	YELLOW	BLACK
D	BLACK	RED
E	BLACK	GREEN
F	BLACK	YELLOW
G	RED	GREEN
H	GREEN	RED
I	R/Y/G	BLACK
J	RANDOM	BLACK

ⓘ QUICK REFERENCE SECTION

Font size table

To select a FONT SIZE, press **FONT** to toggle between the fonts listed below.

Letter	Character Font Size
A	NORMAL
B	BOLD
C	ITALIC
D	Narrow
E	High
F	Big

European Character Table

To display a EUROPEAN CHARACTER, press the Corresponding Letter, then press the **EUROP-CHAR** key until the European letter of your choice is reached. Once you see the European letter you which to use, press any other letter to continue to type your message.

Letter in Upper "PPER CASE"	Foreground Color
A	Ã Â Á À Ä Å Æ
B	ß
C	Ç
D	Ð
E	É Ê È Ë
I	Í Ì Î Ï
N	Ñ
O	Ó Ô Ò Ö Õ
P	þ
U	Ú Ù Û Ü
Y	Ÿ Ý

Letter in Lower "OWER CASE"	Foreground Color
a	ã â á à ä å æ
c	ç
e	é ê è ë
i	í ì î ï
n	ñ
o	ó ô ò ö õ
p	þ
u	ú ù û ü
y	ÿ ý

ⓘ QUICK REFERENCE SECTION

Special effects table

After you complete message editing, you can select the leading and closing effect by and key and confirm by enter key.

Letter	Type	Effet	Description
A	L, T	Immediate	Image will be immediately appeared

B	L, T	Xopen	Image will be shown from center and extend to 4 side
C	L, T	Curtain UP	Image will be shown one line by one line from bottom to top
D	L, T	Curtain Down	Image will be shown one line by one line from Top to Bottom
E	L, T	Scroll Left	Image will be scrolled from Right to Left
F	L, T	Scroll Right	Image will be scrolled from Right to Left
G	L, T	Vopen	Image will be shown from center to top and Bottom one line by one line
H	L, T	Vclose	Image will be shown from Top and Bottom to Center one line by one line
I	L, T	Scroll Up	Image will be scroll from Bottom to Top
J	L, T	Scroll Down	Image will be scrolled from Bottom to Top
K	L, T	Hold	Previous Screen will be kept
L	L	Snow	Pixels will be dropped down from top and stack up to build the image
M	L	Twinkle	a blank diagonal line will be scrolling on the image
N	L	Block Move	8 pixel width display block will be moved from right to left one by one
P	L	Random	Random Pixel will be appeared to build the image
Q	L	Pen writing	Hello World
R	L	Pen writing	Welcome

L = Leading commands - how the text will appear.
T = Closing commands - how the text will disappear.

Display effect

A Normal
B Blinking
C Play song 1
D Play song 2
E Play song 3

Moving speed

3 Fast
2 Medium 1
1 Medium 2
0 Slow

Bell duration

A Short
B Medium 1
C Medium 2
D Long

Display time

0.5sec - 25 sec

Date display format

DD/MM/YY

Time display format

hh/mm

ⓘ HELP SECTION – IR(Infrared Remote Keyboard) Most Commonly Asked Questions

Can I run multiple pages when the SCHEDULE DISPLAY.
Yes, you can refer page 8-adding schedule setting.

HOW CAN I CONTROL MORE THAN ONE SIGN FROM A CENTRAL LOCATION?
Set the different ID address. software will allow you to control up to 255 signs by setting.

How do I remove the demo message on the sign?
The demo message is permanently programmed onto the sign and is designed to run automatically when there are no messages programmed by the user. When you program a message onto a page, the demo message will no longer show.

How much text can I program onto each PAGE?
You can program up to 210 characters per page. there 26 pages text message and 16 pages graphic can be programmed.

Will I lose my messages if I remove the power to the sign?
No, there is a built-in battery in the sign.

After I unplug my sign, **I lose the current TIME and DATE setting**. **Why**?
The battery on the cpu board is gone. you should replace with same battery. The battery normally can keep 2 years.

How do I display lower-case letters?
Please refer to page 6 **SHIFT** key function.

I plugged the sign in but nothing comes ON?
Unplug the power to the sign and plug it in again.
Make sure the power adaptor plug is plugged into the sign and AC connect firmly. Try using another wall outlet. Refer page 9 resetting system using the **FUNCT** key.

ⓘ HELP SECTION – SOFTWARE Most Commonly Asked Questions

How do I turn my sign OFF and ON automatically everyday.
Please refer page 16 under the function control display by schedule.

Trouble Shooting
My sign does not show after setting schedule display.
Clear the schedule display and reset the system.
Refer page 16 resetting system using the **DELECT** all.

HELP SECTION – SOFTWARE
Troubleshooting

The software is not communicating with the sign?

Use the checklist below to verify your settings.

- ☐ I have found the ID setting of the sign and entered them into the software. **Page 16**.
- ☐ I am using the cable supplied by. **Page 14**.

NOTE: The cable may not be extended with any other cable. The cable must be one complete cable from the 9-Pin connector to the sign.

"**OPEN COM ERROR**" .

If the error message is "OPEN COM ERROR", this means the Com Port you have selected is not available for your use or is being used by an internal device in your computer. A computer normally has 4 COM PORTS. Two external ports which are available to connect external devices to the computer and two Internal ports which are available, in most cases, for computer use only. Please check the back of your computer to see if it is labeled COM1 or COM2. If not, please refer to your computer user' s manual or contact the computer manufactuer for more information.

The USB-RS232 Converter User Manual

1. INTRODUCTION

The USB-RS232 converter can convert a USB1.1 interface to a RS232 serial interface. It provides a simple solution for updating RS232 Interface Of peripheral products to USB interface.

Features:

- USB Specification 1.1 compliant
- Over baud rates 1Mbps
- Working with existing COM port applications
- Support Win98/2000/ME/XP

2. INSTALLING DRIVERS

The enclosed CD-ROM contains the Virtual COM Port Drivers for the Converter. You will find the drivers files are included in the directory \usb driver\WIN on the CD-ROM.

The following instructions refers to the Windows XP. On other Operating System, the installation steps are similar.

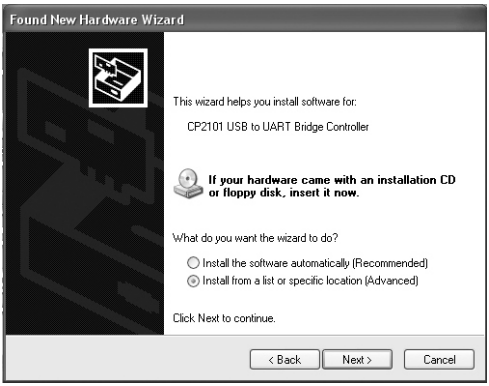
2.1) Virtual COM Port Driver Installation in Windows XP

a. Insert the provided CD-ROM into the CD-ROM drive. Connect the USB cable between the host computer and the target device.

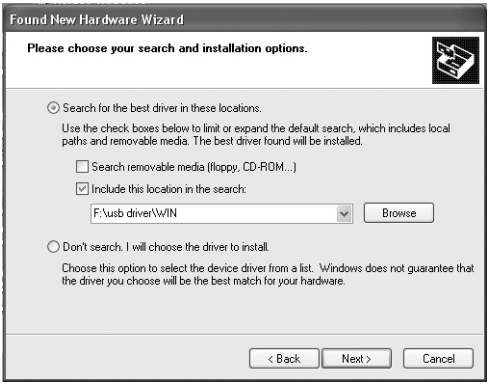
b. Windows will open a "Found New Hardware Wizard" window. Press Next to continue.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

c. Select "Install from a list or specific location(advanced)" and press Next.


Found New Hardware Wizard
This wizard helps you install software for:
CP2101 USB to UART Bridge Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

d Check "Include this location in the Search", and press Browse to locate the "slabw2k.inf" driver installation file. The file location is the "[CD-ROM Drive]\usb driver\win" directory. Once this location is selected press Next.

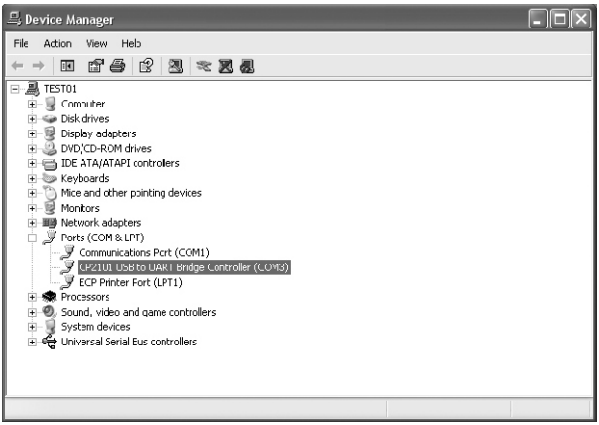

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
F:\usb driver\WIN
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

e Press Finish to complete installing the USB Device drivers.

Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
CP2101 USB to UART Bridge Controller
Click Finish to close the wizard.
< Back
Finish
Cancel

3. USB-RS232 CONVERTER SERIAL INTERFACE

After finishing the drivers installation, Click on Start/settings/control panel/system/ device manage and you will see a USB port will appear as a COM port in the Device Manager.



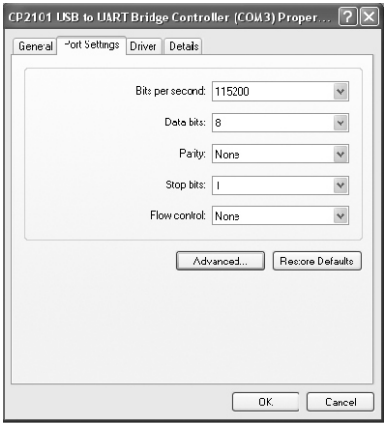
USB-RS232 Converter will usually use the lowest available COM port for operation. For instance, if COM ports 1 to 3 are in use by other peripherals and applications, USB-RS232 Converter will use COM 4.

USB-RS232 Converter functions identically to a COM port from the reference point of both the host application and the serial device, and it can support serial device control requests defined in the Win32 Communications API.

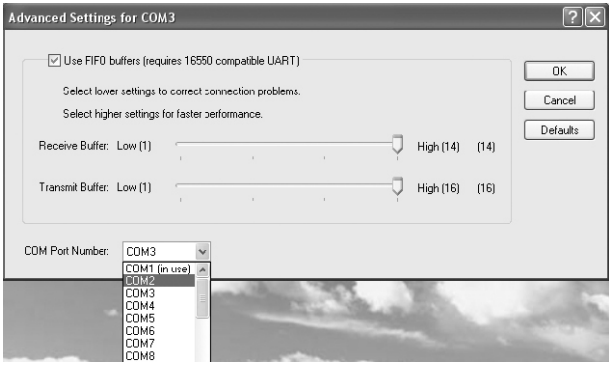
When you connect the USB cable to the USB port, Windows will now detect USB device. Since you have already installed the device drives, all you need to do is check which COM port was created and tell your serial device's software to use the corresponding port.

4. UPDATE THE MAPPED COM PORT

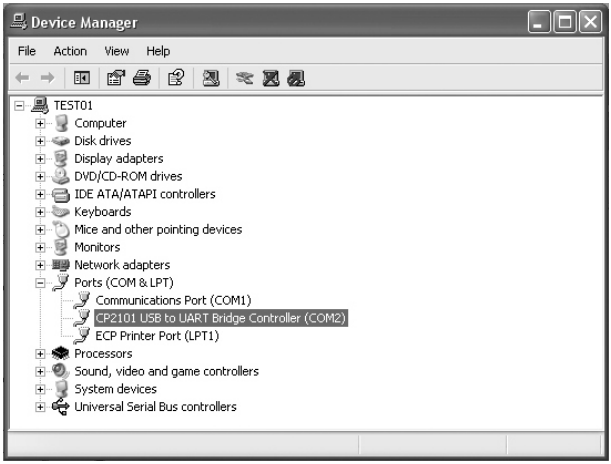
If USB-RS232 Converter is assigned to a high COM Port, e.g. COM8, however the application do not support it, you need to update the mapped port. In the Device Manager, double Click the entry "CP2101 USB to UART Bridge Controller(COM8)" under the category "Ports(COM & LPT)".
Select the tab box "Port Settings".



Click the Advanced… button, and select a low COM port which the application support. e.g. COM2, and then Click OK button.



You will see the port mapped to COM2.



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